

Subject: USSN 10/764,075; Dkt. No: 19240-447US2 Alignment of reverse complementary strand of
SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID NO:3

Alignment of reverse complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID NO:3

```
SeqID43rc ( 1) gtcattctcctaagaagctattaaaatcacatggggatagcactactaaaattaatttta
seqID:3 ( 1) -----
```

```
SeqID43rc ( 61) cacattagggtcttccatataggcaGCTCTCCCTAGCATTTACTGTaccctcgatc
seqID:3 ( 1) -----GCTCTCCCTAGCGTTATTCACTGT-----
```

```
SeqID43rc ( 121) gtactccgcgtggcctcgatgaaaaatgtgggtgctctttcaagtcctccctaattgttaca
seqID:3 ( 25) -----
```

```
SeqID43rc ( 181) cattgattaagattgctatgtgagattaaagttaactaacctacttgtgctgtttagt
seqID:3 ( 25) -----
```

```
SeqID43rc ( 241) taccgagaattcattctgcacaagagtagactatgtatcgtaaacggaattgcgaaaaacgt
seqID:3 ( 25) -----
```

```
SeqID43rc ( 301) ttacatagcccatctgccttgtgtggatcatcatgagtgtttatgcctgagttgaatcagc
seqID:3 ( 25) -----
```

```
SeqID43rc ( 361) agaagctccactcatggaaatttgaagttgtctggagaaatcatccatgtcagccgcagg
seqID:3 ( 25) -----
```

```
SeqID43rc ( 421) aagaagagtcacagtggtgctctcttttgcctctgcggcaaaggctgagcttcatcagt
seqID:3 ( 25) -----
```

```
SeqID43rc ( 481) cttttctcttttgccttttaggetctgttggtgggaatgtttgtatgcgtcaatgtg
seqID:3 ( 25) -----
```

```
SeqID43rc ( 541) ctgttcagcagtatgacgttgtcttgaattgtggatcttgtcatccaatttaattggc
seqID:3 ( 25) -----
```

```
SeqID43rc ( 601) tccatgataagtcagccatgttcccgaaggtgtgacttccatgccaatgcgtgacattcc
seqID:3 ( 25) -----
```

SeqID43rc (661) aaagaatgcagaggcaacttggagcaaatgtgcaatttgcggccaatgtttgtaatcagt
seqID:3 (25) -----

SeqID43rc (721) tccctgtctgattaggtcttgggtccccgaaatttccttgggtttgttctggaccacgtct
seqID:3 (25) -----

SeqID43rc (781) cccaaatgcttgagtgcgttgtactgttttgggcagtagcttttggcgaggcctttt
seqID:3 (25) -----

SeqID43rc (841) agatgcctcagcagcagattcttagtgacagtttggccttgttgttggcctttacc
seqID:3 (25) -----

SeqID43rc (901) agaaactttgtctctcaagctgggttcaatctgtctagcagcaatagcgcgagggcagtttc
seqID:3 (25) -----

SeqID43rc (961) accacctccgctagccattcgagcaggagaatttccctactgctgccaggagttgaatt
seqID:3 (25) -----

SeqID43rc (1021) tcttgaattaccgcgaactacgtgatgaggagcgagaagaggttgcctgccctctgct
seqID:3 (25) -----

SeqID43rc (1081) tccctctgcgtagaagccttttggcaatgttgttccttgaggaagttgttagcacggtggc
seqID:3 (25) -----

SeqID43rc (1141) agcattgttattaggattgcgggtgccaatgtggtcttgggtgtattcaaggctccctc
seqID:3 (25) -----

SeqID43rc (1201) agttgcaaccatacagatgccttctttagtcgacctaggaagtgaagcttctgggcc
seqID:3 (25) -----

SeqID43rc (1261) agttcctaggtaataagaagtaccatctggggctgagctctttcattttgccgtcaccacc
seqID:3 (25) -----

SeqID43rc (1321) acgaaactcgtcgggtagctcttcggta
seqID:3 (25) -----

Subject: USSN 10764,075; Dkt. No: 19240-447US2 Alignment of reverse complementary strand of
SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID NO:5

Alignment of reverse complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID
NO:5

```
SeqID43rc ( 1) gtcattctcctaagaagctattaaaatcacatggggatagcactactaaaattaatttta
seqID:5 ( 1) -----
```

```
SeqID43rc ( 61) cacattagggtcttccatataggcaGCTCTCCCTAGCATTTACTGTaccctcgatc
seqID:5 ( 1) -----GCTCTCCCTAGCGTTATTCATG-----
                    ++++++++ ++++++++
```

```
SeqID43rc ( 121) gtactccgctggcctcgatgaaaatgtggtggctctttcaagtcctccctaattgttaca
seqID:5 ( 24) -----
```

```
SeqID43rc ( 181) cattgattaaagattgctatgtgagattaaagttaactaaacctacttgctgctgtttagt
seqID:5 ( 24) -----
```

```
SeqID43rc ( 241) tacgagaattcattctgcacaagagtagactatgtatcgtaaaggaattgcgaaaacgt
seqID:5 ( 24) -----
```

```
SeqID43rc ( 301) ttacatagcccatctgccttgtgtggtcatcatgagtgttatgcctgagtgtaatcagc
seqID:5 ( 24) -----
```

```
SeqID43rc ( 361) agaagctccactcatggaattttgaagttgtctggagaaatcatccatgtcagccgagg
seqID:5 ( 24) -----
```

```
SeqID43rc ( 421) aagaagagtcacagtggtgctctcttttgcctctgcggcaaaggtgagcttcacagt
seqID:5 ( 24) -----
```

```
SeqID43rc ( 481) cttttctttttgtccttttttaggctctgttggtgggaatgtttgtatgcgtcaatgtg
seqID:5 ( 24) -----
```

```
SeqID43rc ( 541) cttgttcagcagtatgacgttgctctttgaattgtggatctttgcatccaatttaattggc
seqID:5 ( 24) -----
```

```
SeqID43rc ( 601) tccatgataagtcagccatgttcccgagggtgtgacttccatgccaatgcgtgacattcc
seqID:5 ( 24) -----
```

SeqID43rc (661) aaagaatgcagaggcacttggagcaaattgtgcaatttgcggccaatgtttgtaatcagt
seqID:5 (24) -----

SeqID43rc (721) tccttgtctgattaggtcttgggtcccccgaatttccttgggtttgttctggaccacgtct
seqID:5 (24) -----

SeqID43rc (781) cccaaatgcttgagtgacgttgactgttttctggcagtcagtttttggcgaggctttt
seqID:5 (24) -----

SeqID43rc (841) agatgcctcagcagcagatttcttagtgacagtttggccttgttgttctggcctttacc
seqID:5 (24) -----

SeqID43rc (901) agaaactttgctctcaagctgggtccaatctgtctagcagaatagcgcgagggcagtttc
seqID:5 (24) -----

SeqID43rc (961) accacctcgcgtagccattcgagcaggagaatttcccctactgctgccaggagtgaatt
seqID:5 (24) -----

SeqID43rc (1021) tcttgaattaccgcgactacgtgatgaggagcgagaagaggtctgaactgccgcctctgct
seqID:5 (24) -----

SeqID43rc (1081) tccctctgcgtagaagccttttggcaatgtgttctcttgaggaagttgtagcacggtggc
seqID:5 (24) -----

SeqID43rc (1141) agcattgttattaggattgcgggtgccaatgtggtcttttgggttattcaagctccctc
seqID:5 (24) -----

SeqID43rc (1201) agttgcaaccatacagtgaccttcttctttagcgccgtaggggaagtgaagcttctgggcc
seqID:5 (24) -----

SeqID43rc (1261) agttcctaggtaatagaagtagcatctggggctgagctcttctcattttgcgctcaccacc
seqID:5 (24) -----

SeqID43rc (1321) acgaactcgtcgggtagctcttcggta
seqID:5 (24) -----

Subject: USSN 10/764,075; Dkt. No: 19240-447US2 Alignment of reverse complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID NO:7

Alignment of reverse complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID NO:7

```
SeqID43rc ( 1) gtcattctcctaagaagctattaaaatcacatggggatagcactactaaaattaatttta
seqID:7 ( 1) -----
```

```

                               ++++++
SeqID43rc ( 61) cacattagggctcttccatataggcaGCTCTCCCTAGCATTATTCACGTaccctcgatc
seqID:7 ( 1) -----GCTCTCCCTAGCATTATTCACGT-----
```

```
SeqID43rc ( 121) gtactcgcgtggcctcgatgaaaatgtggtggctctttcaagtcctcctaattgttaca
seqID:7 ( 25) -----
```

```
SeqID43rc ( 181) cattgattaaagattgctatgtgagattaaagttaactaaacctacttgtgctgtttagt
seqID:7 ( 25) -----
```

```
SeqID43rc ( 241) tacgagaattcattctgcacaagagtagactatgtatcgtaaacggaattgcgaaaacgt
seqID:7 ( 25) -----
```

```
SeqID43rc ( 301) ttacatagcccatctgccttgtgtggtcatcatgagtgtttatgcctgagttgaatcagc
seqID:7 ( 25) -----
```

```
SeqID43rc ( 361) agaagctccactcatggaattttgaagttgtctggagaaatcatccatgtcagccgcagg
seqID:7 ( 25) -----
```

```
SeqID43rc ( 421) aagaagagtcacagtggtgctctcttttgtctctgcggcaaggctgagcttcatcagt
seqID:7 ( 25) -----
```

```
SeqID43rc ( 481) cttttctcttttgcctttttaggctctgttggtgggaattgtttgtatgcgtcaatgtg
seqID:7 ( 25) -----
```

```
SeqID43rc ( 541) cttgttcagcagtatgaagttgtctttgaattgtggatctttgtcatccaatttaattgac
seqID:7 ( 25) -----
```

```
SeqID43rc ( 601) tccatgataagtcagccatgttcccgagggtgtgacttccatgccaatgcgtgacattcc
seqID:7 ( 25) -----
```

SeqID43rc (661) aaagaatgcagaggcacttggagcaaattgtgcaatttgcggccaatgtttgtaatcagt
seqID:7 (25) -----

SeqID43rc (721) tccttgtctgattaggtcttgggtcccgaaatttccttgggtttgttctggaccacgtc
seqID:7 (25) -----

SeqID43rc (781) cccaaatgcttgagtgcgttgtactgttttgggcagtagcttttggcgaggctttt
seqID:7 (25) -----

SeqID43rc (841) agatgcctcagcagcagatttcttagtgacagtttggccttgttgttggcctttacc
seqID:7 (25) -----

SeqID43rc (901) agaaactttgctctcaagctgggtcaatctgtctagcagcaatagcgcgagggcagtttc
seqID:7 (25) -----

SeqID43rc (961) accacctccgctagccattcgcagcaggagaatttccctactgctgccaggagtgaatt
seqID:7 (25) -----

SeqID43rc (1021) tcttgaattaccgcgactacgtgatgaggagcgagaaggccttgactgccgcctctgct
seqID:7 (25) -----

SeqID43rc (1081) tcctctgcgtagaagccttttggcaatgttgttccttgaggaagttgtagcacggtggc
seqID:7 (25) -----

SeqID43rc (1141) agcattgttattaggttgcgggtgccaatgtggtcttgggtgtattcaaggctccctc
seqID:7 (25) -----

SeqID43rc (1201) agttgcaaccatacgccttctttagtcgcgtaggggaagtgaagctctctgggcc
seqID:7 (25) -----

SeqID43rc (1261) agttcctaggtaatagaagtaccatctgggctgagctctttcattttgcgctcaccacc
seqID:7 (25) -----

SeqID43rc (1321) acgaactcgtcgggtagctcttcggta
seqID:7 (25) -----

Subject: USSN 10/764,075; Dkt. No: 19240-447US2 Alignment of reverse complementary strand of
SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID NO:9

Alignment of reverse complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID
NO:9

```
SeqID43rc ( 1) gtcattctcctaagaagctattaaaatcacatgggtagcactactaaaattaatttta
seqID:9 ( 1) -----
```

```

                        ++++++
SeqID43rc ( 61) cacattagggtcttccatataGGCAGCTCTCCCTAGCATTATTCactgtaccctcgatc
seqID:9 ( 1) -----GGCAGCTCTCCCTAGCATTATTC-----
```

```
SeqID43rc ( 121) gtactccgctggcctcgatgaaaatgtgggtgctctttcaagtcctccctaattgtaca
seqID:9 ( 24) -----
```

```
SeqID43rc ( 181) cattgattaaagattgctatgtgagattaaagttaactaaacctacttgtgctgtttagt
seqID:9 ( 24) -----
```

```
SeqID43rc ( 241) tacgagaattcattctgcacaagagtagactatgtatcgtaaacggaattgcgaaaacgt
seqID:9 ( 24) -----
```

```
SeqID43rc ( 301) ttacatagcccatctgccttgtgtggatcatgagtgttatgcctgagttgaatcagc
seqID:9 ( 24) -----
```

```
SeqID43rc ( 361) agaagctccactcatggaattttgaagttgtctggagaaatcatccatgtcagccgcagg
seqID:9 ( 24) -----
```

```
SeqID43rc ( 421) aagaagagtcacagtgggctgcttcttttgcctctgcggcaaaggctgagcttcatcagt
seqID:9 ( 24) -----
```

```
SeqID43rc ( 481) cttttctttttgtccttttaggctctgttgggtgggaatgtttgtatgcgtcaatgtg
seqID:9 ( 24) -----
```

```
SeqID43rc ( 541) ctgtgtcagcagtatgacgttgtccttgaattgtggatctttgtcatccaatttaattggc
seqID:9 ( 24) -----
```

```
SeqID43rc ( 601) tccatgataagtcagccatgttcccgaaggtgtgacttccatgccaatgcgtgacattcc
seqID:9 ( 24) -----
```

```

SeqID43rc ( 661) aaagaatgcagaggcacttggagcaaatgtgcaattgcggccaatgtttgtaatcagt
seqID:9 ( 24) -----

SeqID43rc ( 721) tccttgtctgattaggtcttgggtcccgaaatttccttgggtttgttctggaccagctct
seqID:9 ( 24) -----

SeqID43rc ( 781) cccaaatgcttgagtgacgttgtactgttttggcagtagcttttggcgaggctttt
seqID:9 ( 24) -----

SeqID43rc ( 841) agatgcctcagcagcagatttcttagtgacagtttggccttgttggcctttacc
seqID:9 ( 24) -----

SeqID43rc ( 901) agaaactttgctctcaagctggttcaatctgtctagcagcaatagcgcgagggcagtttc
seqID:9 ( 24) -----

SeqID43rc ( 961) accacctcgcctagccattcgcgcaggagaatttccctactgctgccaggagtgaatt
seqID:9 ( 24) -----

SeqID43rc ( 1021) tcttgaattaccgcgactacgtgatgaggagcgagaagaggcttgactccgcctctgct
seqID:9 ( 24) -----

SeqID43rc ( 1081) tccctctgcgtagaagccttttggcaatgttgttccttgaggaagtgtgacacggtggc
seqID:9 ( 24) -----

SeqID43rc ( 1141) agcattgttattaggattgcgggtgccaatgtggtctttgggtgtattcaagctccctc
seqID:9 ( 24) -----

SeqID43rc ( 1201) agttgcaaccatcacgtagccttcttgttagcgccgtaggggaagtgaagcttctgggcc
seqID:9 ( 24) -----

SeqID43rc ( 1261) agttcttaggtaatagaagtaccatctggggctgagctctttcattttgcgctcaccacc
seqID:9 ( 24) -----

SeqID43rc ( 1321) acgaactcgtcgggtagctcttcggta
seqID:9 ( 24) -----

```


Subject: USSN 10/764,075; Dkt. No: 19240-447US2 Alignment of reverse complementary strand of
SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID NO:10

Alignment of reverse complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID NO:10

```
SeqID43rc ( 1) gtcattctcctaagaagctattaaaatcacatgggtagcactactaaaattaatttta
seqID:10 ( 1) -----

SeqID43rc ( 61) cacattagggtcttccatataggcagctctccctagcattattcactgtaccTCGATC
seqID:10 ( 1) -----TCGATC

SeqID43rc ( 121) GTACTCCGCGTGGCCTcgatgaaaatgtggtggtctcttcaagtcctccctaatgttaca
seqID:10 ( 7) GTACTCCGCGTGGCCT-----

SeqID43rc ( 181) cattgattaaagattgctatgtgagattaaagttaactaaacctacttgtctgtttagt
seqID:10 ( 23) -----

SeqID43rc ( 241) tacgagaattcattctgcacaagagtagactatgtatcgtaaaccgaattgcgaaaacgt
seqID:10 ( 23) -----

SeqID43rc ( 301) ttacatagcccatctgccttgtgtggtcatcatgaggttttatgcctgagttgaatcagc
seqID:10 ( 23) -----

SeqID43rc ( 361) agaagctccactcatggaattttgaagttgtctgagagaaatcatccatgtcagccgcagg
seqID:10 ( 23) -----

SeqID43rc ( 421) aagaagagtcacagtgggctgcttctttgtctctgcggcaaaggctgagcttcacagt
seqID:10 ( 23) -----

SeqID43rc ( 481) ctttttctttttgtctcttttaggctctgttggtgggaatgtttgtatgcgtcaatgtg
seqID:10 ( 23) -----

SeqID43rc ( 541) cttgttcagcagtatgacgttgctcttgaattgtggaatctttgtcatccaatttaatggc
seqID:10 ( 23) -----

SeqID43rc ( 601) tccatgataagtcagccatgttccgaagggtgacttccatgccaatgcgtgacattcc
seqID:10 ( 23) -----
```

```

-
SeqID43rc ( 661) aaagaatgcagaggcacttggagcaaatgtgcaatttgcgccaatggttgaatcagt
seqID:10 ( 23) -----

SeqID43rc ( 721) tccttgtctgattaggctcttgggtcccccgaatttccttgggtttgtctggaccacgtct
seqID:10 ( 23) -----

SeqID43rc ( 781) cccaaatgcttgagtgcgttgactgttttggcgagtagcttttggcgaggctttt
seqID:10 ( 23) -----

SeqID43rc ( 841) agatgcctcagcagcagattcttagtgacagtttggccttgtgtgttggcctttacc
seqID:10 ( 23) -----

SeqID43rc ( 901) agaaaactttgctctcaagctggttcaatctgtctagcagaatagcgcgagggcagtttc
seqID:10 ( 23) -----

SeqID43rc ( 961) accacctccgctagccattcgagcaggagaatttcccctactgctccaggagtgaatt
seqID:10 ( 23) -----

SeqID43rc ( 1021) tcttgaattaccgcgactacgtgatgaggagcgagaagagcttgactgccgctctgct
seqID:10 ( 23) -----

SeqID43rc ( 1081) tcctctcgctagaagccttttggcaatgttgttccttgaggaaagtgtagcacggtggc
seqID:10 ( 23) -----

SeqID43rc ( 1141) agcattgttattaggattgcgggtgccaatgtggtccttgggtgattcaaggctccctc
seqID:10 ( 23) -----

SeqID43rc ( 1201) agttgcaaccatacgcgatgccttcttgttagcgcgtagggaagtgaagcttctgggc
seqID:10 ( 23) -----

SeqID43rc ( 1261) agttcctaggtaatagaagtagcatctggggtgagctctttcatttgcgctaccacc
seqID:10 ( 23) -----

SeqID43rc ( 1321) acgaactcgtcggttagctcttcggta
seqID:10 ( 23) -----

```

Subject: USSN 10/764,075; Dkt. No: 19240-447US2 Alignment of reverse complementary strand of
SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID NO:12

Alignment of reverse complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID
NO:12

```
SeqID43rc ( 1) gtcattctcctaagaagctattaaaatcacatgggtagcactactaaaattaatttta
seqID:12 ( 1) -----

SeqID43rc ( 61) cacattagggctcttccatataggcagctctccctagcattattcactgtaccctcgatc
seqID:12 ( 1) -----

SeqID43rc ( 121) gtactcgcgtggcctcgatgaaaatgtggtggctctttcaagtcctccctaattgttaca
seqID:12 ( 1) -----

SeqID43rc ( 181) cattgattaaagattgctatgtgagattaaagttaactaaacctacttgtgctgtttagt
seqID:12 ( 1) -----

SeqID43rc ( 241) tacgagaattcattctgcacaagagtagactatgtatcgtaaacggaattgcgaaaacgt
seqID:12 ( 1) -----

SeqID43rc ( 301) ttacatagcccatctgccttgtgtggtcatcatgagtgtttatgcctgagttgaatcagc
seqID:12 ( 1) -----

SeqID43rc ( 361) agaagctccactcatggaattttgaagttgtctggagaaatcatccatgtcagccgcagg
seqID:12 ( 1) -----

SeqID43rc ( 421) aagaagagtcacagtgggctgctctcttttgtctctcgcggaaggctgagcttcatcagt
seqID:12 ( 1) -----

SeqID43rc ( 481) ctttttcttttgtcctttttaggctctgttgggtgggaatgttttgatgcgtcaatgtg
seqID:12 ( 1) -----

SeqID43rc ( 541) cttgttcagcagtatgacgttgtctttgaattgtggatccttgtcatccaatttaatggc
seqID:12 ( 1) -----

SeqID43rc ( 601) tccatgataagtcagccatgttcccgaagggtgtgacttccatgccaatgcgtgacattcc
seqID:12 ( 1) -----
```

```

SeqID43rc      ( 661) aaagaatgcagaggcacttggagcaaattgtgcaatttgcggccaatgtttgtaatcagt
seqID:12       ( 1)  -----

SeqID43rc      ( 721) tccttgtctgattaggtcttgggccccgaaatttccttgggttgttctggaccacgtct
seqID:12       ( 1)  -----

SeqID43rc      ( 781) cccaaatgcttgagtgcgttgtactgttttggcagtcagtttttggcgaggctttt
seqID:12       ( 1)  -----

SeqID43rc      ( 841) agatgcctcagcagcagatttcttagtgacagtttggccttgttgttggcctttacc
seqID:12       ( 1)  -----

SeqID43rc      ( 901) agaaaacttgcctcctcaagctgggtcaatctgtctagcagcaatagcgcgagggcagtttc
seqID:12       ( 1)  -----

SeqID43rc      ( 961) accacctccgctagccattcagcaggagaatttccctactgctgccaggagtgaatt
seqID:12       ( 1)  -----

SeqID43rc      ( 1021) tcttgaattaccgcgactacgtgatgaggagcgagaagaggcttgactgccgcctctgct
seqID:12       ( 1)  -----

SeqID43rc      ( 1081) tccctctgcgtaGAAGCCTTTTGGCAATGTGTTCcttgaggaagttgtagcacggtggc
seqID:12       ( 1)  -----GAAGCCTTTTGGCAATGTGT-----

SeqID43rc      ( 1141) agcattgttattaggattgcgggtgccaatgtggtcttgggtgtattcaaggctccctc
seqID:12       ( 23) -----

SeqID43rc      ( 1201) agttgcaaccatacgcgatgcctctcttggtagcgcgtaggggaagtgaagctctctgggcc
seqID:12       ( 23) -----

SeqID43rc      ( 1261) agttcctaggtaatagaagtaccatctggggctgagctctttcattttgcgcgcaccacc
seqID:12       ( 23) -----

SeqID43rc      ( 1321) acgaactcgtcgggtagctctctcggtg
seqID:12       ( 23) -----

```

Subject: USSN 10/764,075; Dkt. No: 19240-447US2 Alignment of reverse complementary strand of
SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID NO:15

Alignment of reverse complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID
NO:15

```
SeqID43rc ( 1) gtcattctcctaagaagctattaaatcacatgggtagcactactaaaattaatttta
seqID:15 ( 1) -----

SeqID43rc ( 61) cacattagggtcttccatataggcagctctccctagcattattcactgtaccctcgatc
seqID:15 ( 1) -----

SeqID43rc ( 121) gtactccgctggcctcgatgaaaatgtggtggctctttcaagtcctccctaattgtaca
seqID:15 ( 1) -----

SeqID43rc ( 181) cattgattaagattgctatgtgagattaaagttaactaaacctacttgtgctgtttagt
seqID:15 ( 1) -----

SeqID43rc ( 241) tacgagaattcattctgcacaaagagtagactatgtatcgtaaacggaattgcgaaaacgt
seqID:15 ( 1) -----

SeqID43rc ( 301) ttacatagcccatctgccttgtgtggatcatcatgagtgtttatgcctgagttgaatcagc
seqID:15 ( 1) -----

SeqID43rc ( 361) agaagctccactcatggaattttgaagttgtctcgagaaatcatccatgtcagccgcagg
seqID:15 ( 1) -----

SeqID43rc ( 421) aagaagagtcacagtgggctgcttcttttgtctctgcggcgaaggtgagcttcatcagt
seqID:15 ( 1) -----

SeqID43rc ( 481) ctttttcttttgcctttttaggctctgttgggtgggaatgttttgatgcgtcaatgtg
seqID:15 ( 1) -----

SeqID43rc ( 541) cttgttcagcagtatgacgttgtctttgaattgtggatctttgtcatccaatttaattggc
seqID:15 ( 1) -----

SeqID43rc ( 601) ++++++
tccatgatAAGTCAGCCATGTTCCCGAAggtgtgacttccatgccaatgcgtgacattcc
seqID:15 ( 1) -----AAGTCAGCCATGTTCCCGAA-----
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SeqID43rc	(661)	aaagaatgcagaggcacttggagcaattgtgcaatttgcggccaatgtttgtaatcagt
seqID:15	(	21)	-----
SeqID43rc	(	721)	tccttgctctgattaggtcttgggtccccgaaatttccttgggtttgttctggaccacgtct
seqID:15	(	21)	-----
SeqID43rc	(	781)	cccaaatgcttgagtacgttgactgttttgggcagtcagtttttggcgaggtctttt
seqID:15	(	21)	-----
SeqID43rc	(	841)	agatgcctcagcagcagattctttagtgacagtttggccttgttgttggcctttacc
seqID:15	(	21)	-----
SeqID43rc	(	901)	agaaactttgctctcaagctgggtccaatctgtctagcagcaatagcgcgagggcagtttc
seqID:15	(	21)	-----
SeqID43rc	(	961)	accacctccgctagccattcgcagcaggagaatttcccctactgctgccaggagtgaatt
seqID:15	(	21)	-----
SeqID43rc	(	1021)	tcttgaattaccgcgactacgtgatgaggagcgagaagaggcttgactgccgcctctgct
seqID:15	(	21)	-----
SeqID43rc	(	1081)	tcctctcgcgtagaagccttttggcaatgttgttcccttgaggaagttgtagcacggtggc
seqID:15	(	21)	-----
SeqID43rc	(	1141)	agcattgttattaggattgcgggtgccaatgtggtctttgggtgtattcaaggctccctc
seqID:15	(	21)	-----
SeqID43rc	(	1201)	agttgcaaccatacatgatgccttctttgttagcgccgtagggaagtgaagcttctggggc
seqID:15	(	21)	-----
SeqID43rc	(	1261)	agttcctaggtaatagaagtaccatctggggtgagctctttcattttgccgtcaccacc
seqID:15	(	21)	-----
SeqID43rc	(	1321)	acgaactcgtcgggtagctcttcggta
seqID:15	(	21)	-----